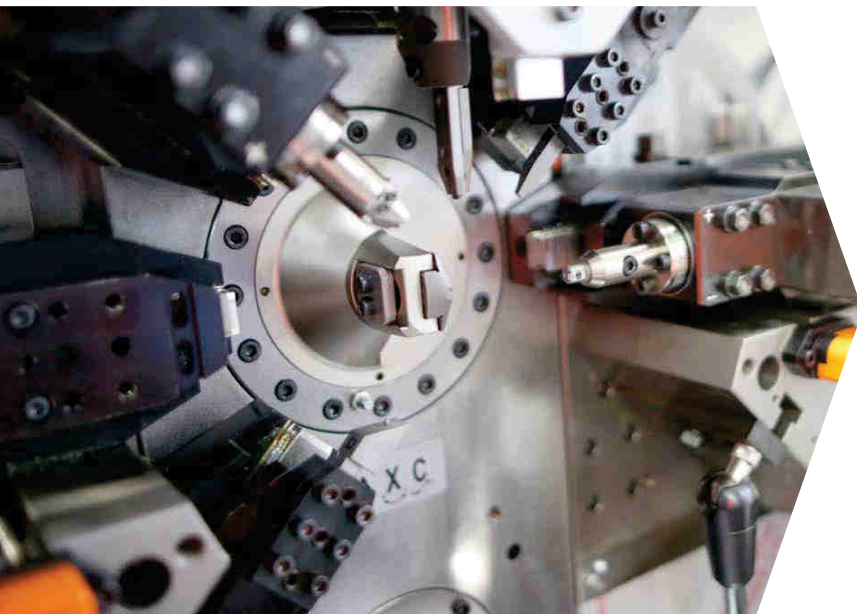
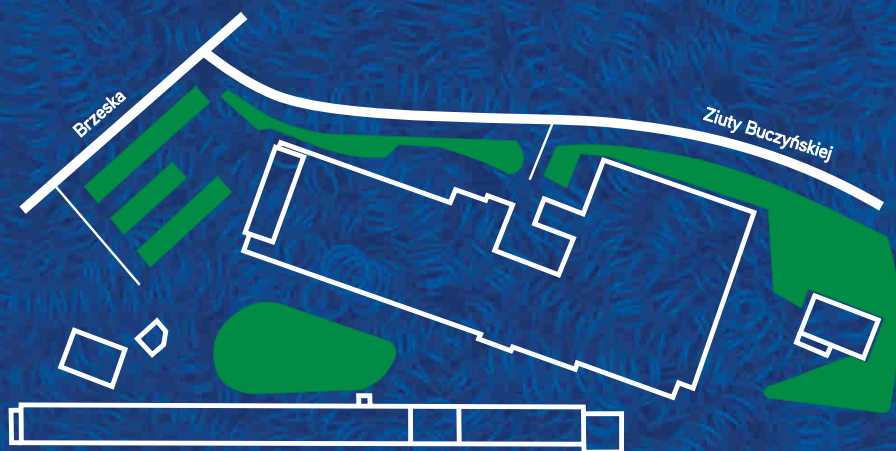




PSI ®
SPÓŁDZIELCZY PRODUCENT SPRĘŻYN

**Customer satisfaction
is our greatest value**

**We invite you
to cooperation**



Production

8300 m²

Warehouses

1900 m²

Tool and maintenance department

730 m²

We are one of the largest companies
producing technical springs,
wire bent products and car seats frames

We have over

70 years

experience

Our staff is

250

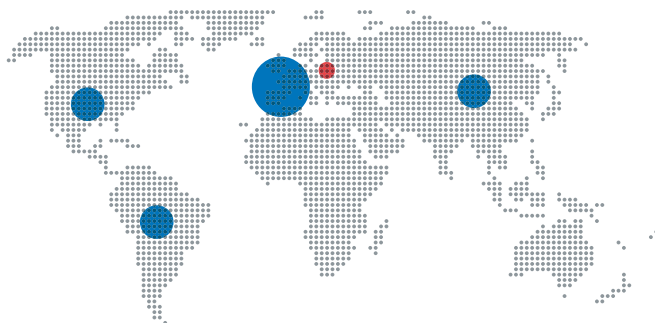
Highly qualified
employees

Modern machinery
park providing
advanced
technological
solution

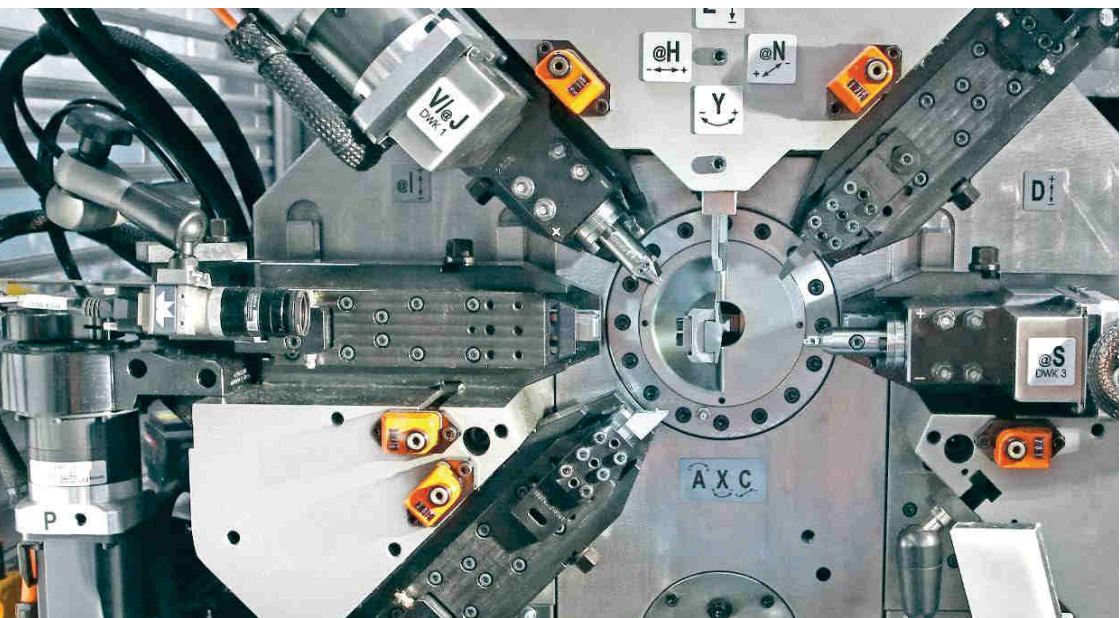
Implemented quality management
system in accordance with the
standards IATF 16949: 2016,
ISO 9001 and environmental
management standard ISO 14001

The quality of
our products and
timely deliveries
are appreciated by
customer all over
the world.

High position
and trust of well-
known brands
on the domestic
and foreign market



The products we manufacture currently, in addition to Polish recipients,
are delivered to over 36 production sites located in Europe, North America,
South America and Asia.



We use specialized machinery for production of springs i.e.:

- CNC- controlled automatic machines for Winding and forming springs,
- CNC-controlled grinding machines for grinding the spring faces,
- heat treatment ovens,
- Bihler automatic machines for production of springs from flat strips,
- Wafios automatic machines for production of wave springs,

We provide surface covering for springs:

- | | | | |
|--------------|----------------------|------------------|------------------|
| • Delta seal | • galvanizing | • nickel plating | • cataphoretic |
| • Zintek | (different colors of | • silvering | • painting (KTL) |
| • Magni | passivation) | • tinning | • other |



technical springs



compression



extension



torsion



shaped

WIRE DIAMETER RANGE

from 0,15 mm to 8.0 mm

We make springs from the following material:

- standard spring or galvanized wire,
- stainless spring wires,
- oil-hardened spring wires,
- spring bronze wires,
- tinned wires,
- low and high carbon tapes,
- hardening tapes after making the springs.





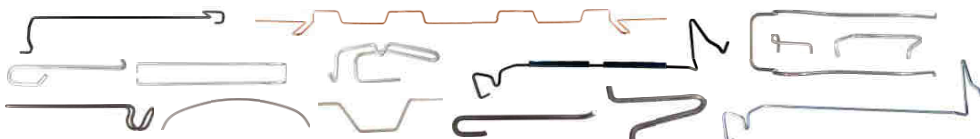
Bent wires are made on CNC machines:

- one or two heads
- two – station (with automatic transfer of products from one station to another)

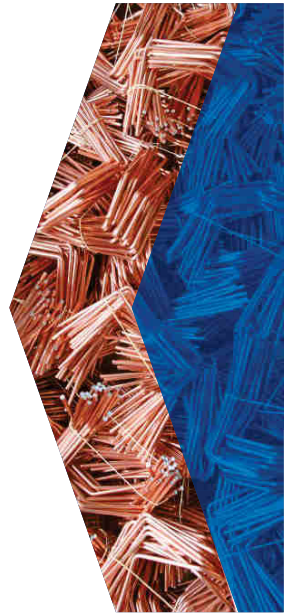
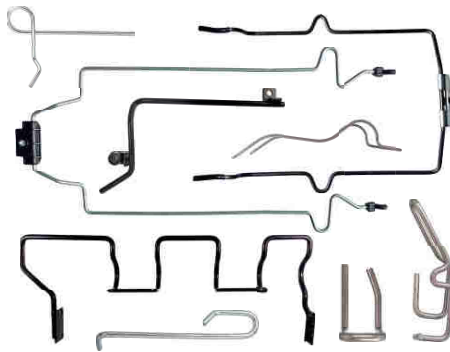
We have the ability to make bent elements from the pipes with a diameter of up to 12 mm.

We provide surface covering for bend wires:

- | | | | |
|--------------|----------------------|------------------|------------------|
| • Delta seal | • galvanizing | • nickel plating | • cataphoretic |
| • Zintek | (different colors of | • silvering | • painting (KTL) |
| • Magni | passivation) | • tinning | • other |



bent wires elements



WIRE DIAMETER RANGE:

- from low carbon wires from 3 mm to 12 mm
- from spring wires from 0,6 mm to 7,5 mm

Bent wires we make from the following material:

- low carbon steel wires without surface coating as well as galvanized and copper plated wires,
- stainless wires,
- spring wires,
- oil-hardened spring wires





We carry out the welding process using robotic welding stations of the following companies:

• **Kuka** • **Panasonic** • **ABB**

Welding stations are integrated with rotary tables.

For the production of individual products we can use manual welding.

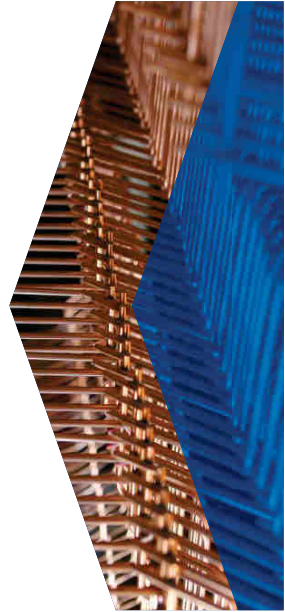
We provide surface coating of welded products

- cataphoretic painting (KTL)
- powder painting.

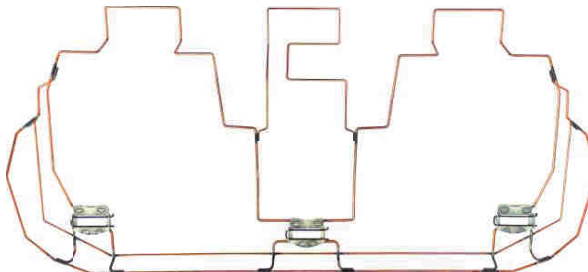
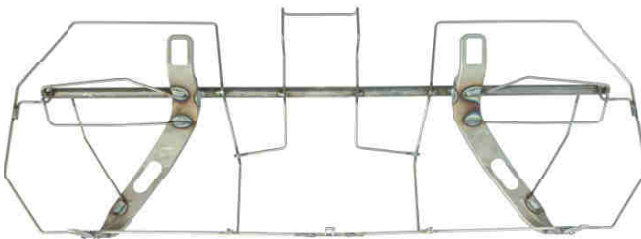


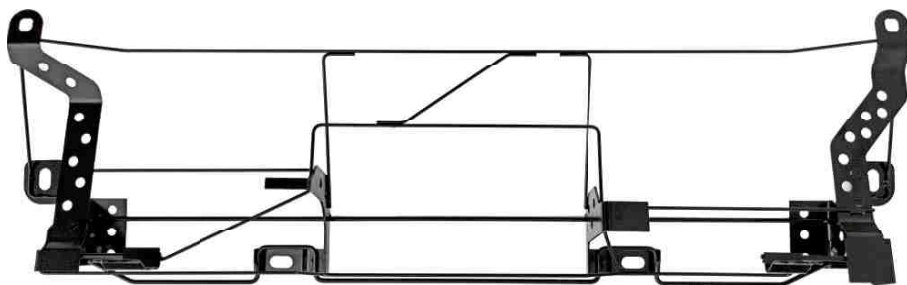
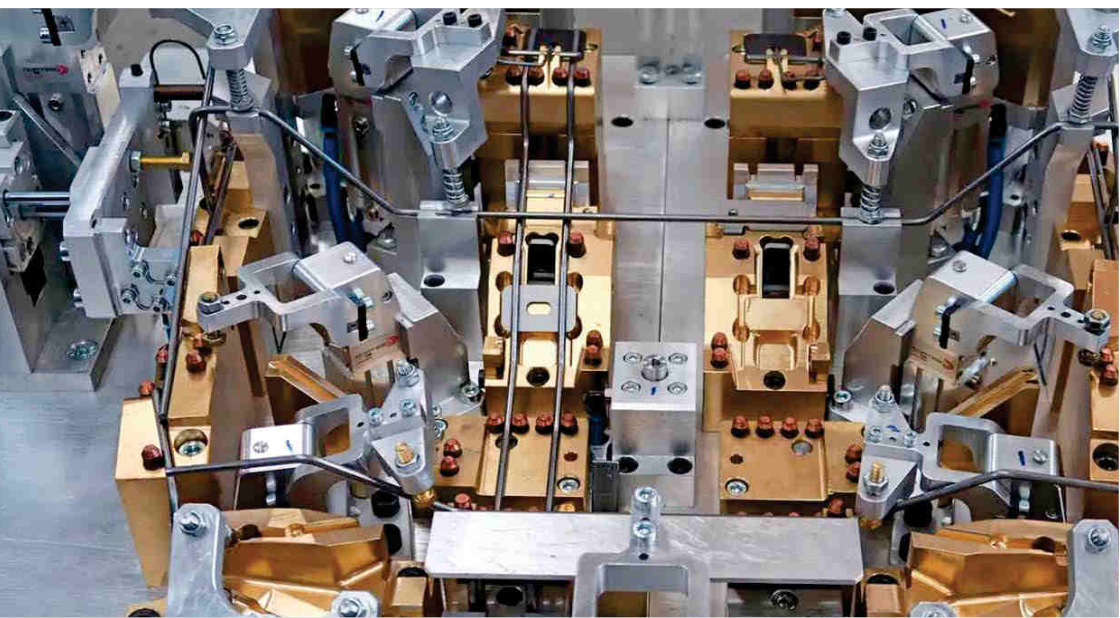
Covering bent wires with plastics (overmolding)

welded products

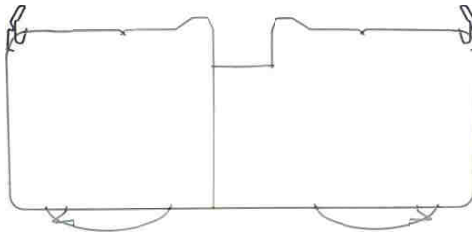


- welding MIG/MAG with robotic arc welding station.
- TIG (stainless wires)





welded products

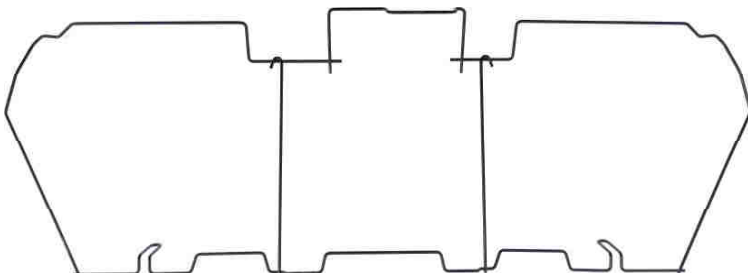


We perform resistance
welding on welding
machines:

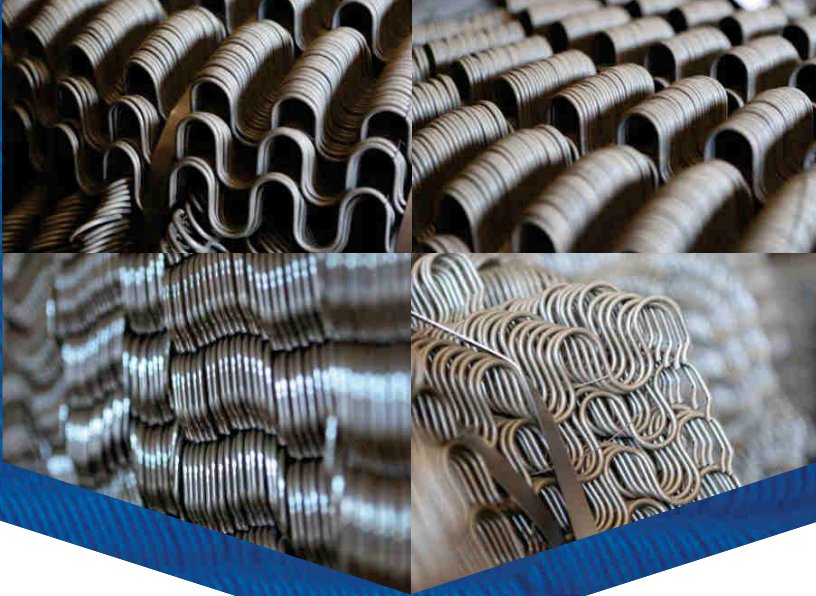
- single-point
- multi-point

We provide surface
coating of welded
products

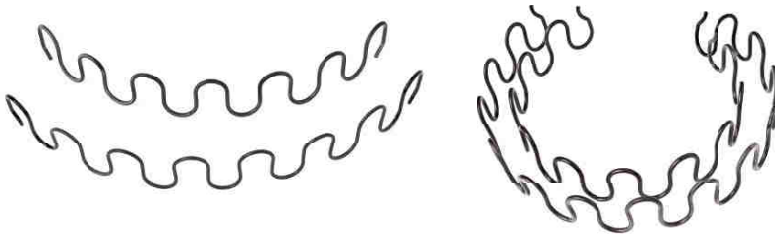
- cataphoretic painting (KTL)
- powder painting.



furniture springs



ZIG ZAG SPRINGS ARE MADE OF
SPRING WIRE
IN THE DIAMETER RANGE
from 2,8 mm to 4,0 mm



Metal and plastic latches
for furniture springs.

We made springs

- Standards (deflection arrow 20%) type A
- Round type B

We offer plastic coating of spring ends.

**elements made of flat spring tapes
and stainless steel
from 0,2 mm to 2,5 mm**



pipe details

with round section
and diameter to 12,0 mm



**Stamped parts
from wires, pipes and tapes**

We make flattenings, ribs
and holes on eccentric presses to 60T



tool shop



We made tools and gauges
for our production,
and also we provide services
of tool production

- stamping dies,
- punching dies,
- welding tools,
- welding tools,
- gauges (shape mold)



We provide services based on the customer's documentation
or documentation prepared by us after customer approval.
Design is done with : Catia, SolidWorks, Master Cam.



**We design
and made
our own tools
and devices
for demanding
orders.**

We implement our project with using
modern machines park of lathe CNC



turning



electro-erosion machining



grinding



modern machines park



quality

To meet customer requirements we implement and apply quality management based on standard IATF 16949 and ISO 9001 and environmental management based on ISO 14001, which is confirmed by the certificates granted to us

Ramię pomiarowe



Being a leading manufacturer of springs for wide range of our customers in particular for automotive sector, we ensure quality at the expected level by our customer and we take care of environment around us.

Tensile testing machines



Projector to control geometric dimension



Device for checking the force characteristic



Device for checking the force characteristic



Automatic control and adjustment of springs parameters



Measuring microscope



Hardness testing machines



An examination microscope



Device for checking torque moments 150 Nm

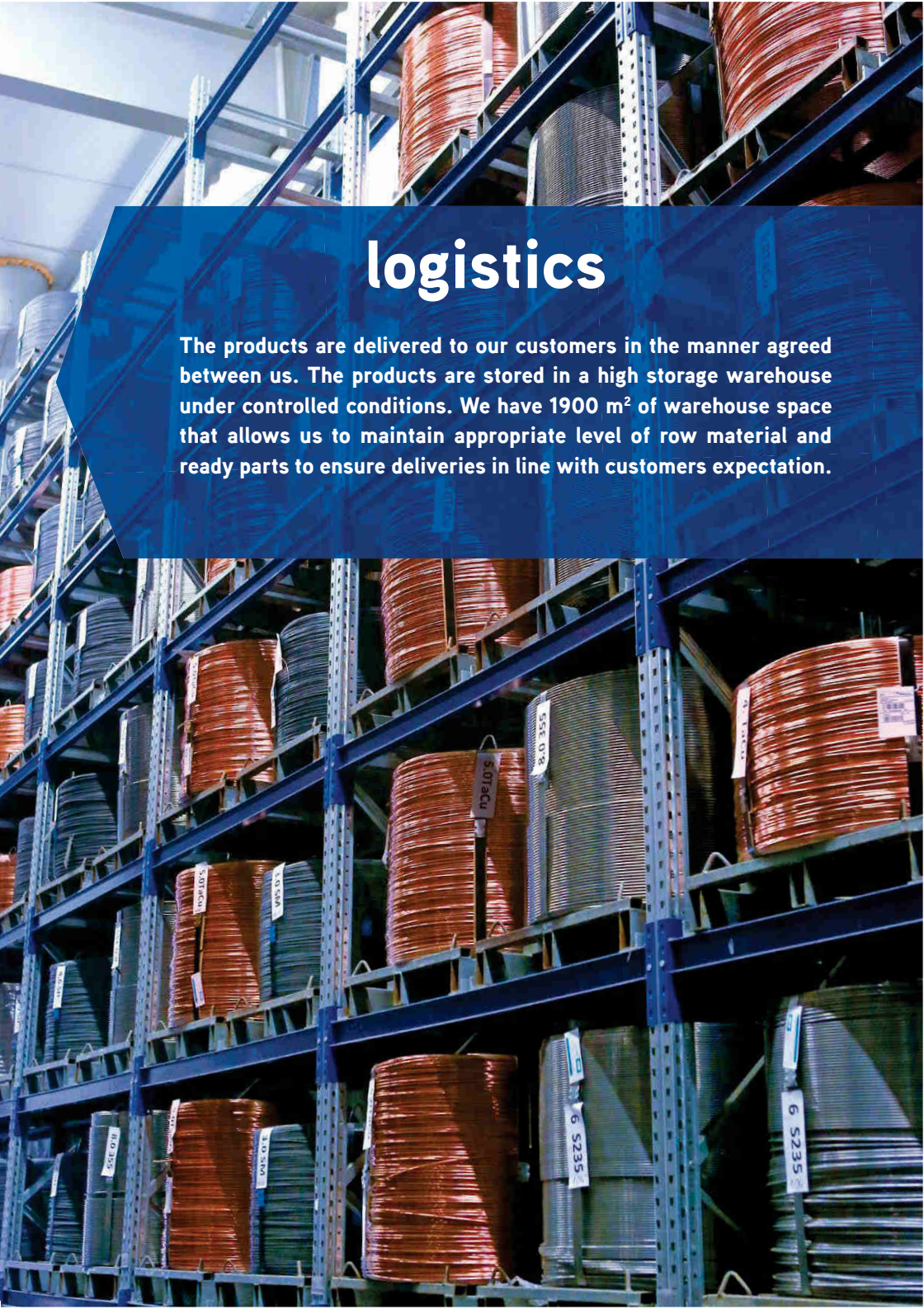


Device for checking torque moments 100 Ncm



TRUST THE EXPERIENCE





logistics

The products are delivered to our customers in the manner agreed between us. The products are stored in a high storage warehouse under controlled conditions. We have 1900 m² of warehouse space that allows us to maintain appropriate level of raw material and ready parts to ensure deliveries in line with customers expectation.



Each of our client is regard unique. Experience and qualified team will meet any order. **Cooperation with us will strengthen of your company its position on the market and competitiveness.**



PSI 
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